

WHAT IS CLAIMED IS:

1 1. A molten metal infiltrating method for infiltrating a linear
2 material with a molten metal, wherein a linear material previously
3 is coated with a flux.

1 2. The molten metal infiltrating method comprising the steps
2 of:

3 continuously introducing a linear material to be a core into
4 a bath container through an inlet seal portion provided in a bottom
5 part of a bath container having a molten metal on a pressurized
6 inside;

7 consecutively drawing the linear material out of an outlet
8 seal portion provided in a top part of the bath container,

9 continuously coating the linear material introduced into the
10 bath container through the inlet seal portion with a flux by a flux
11 coating reservoir provided in the vicinity of the inlet seal
12 portion.

1 3. The molten metal infiltrating method according to claim 1,
2 wherein the linear material is a carbon fiber and the flux is lithium
3 chloride or sodium chloride.

1 4. The molten metal infiltrating method according to claim 2,
2 wherein the linear material is a carbon fiber and the flux is lithium
3 chloride or sodium chloride.

1 5. A molten metal infiltrating apparatus comprising:
2 a bath container having an inlet seal portion in a bottom
3 part and
4 flux coating means for coating, with a flux, a linear material
5 continuously introduced into the bath container through the inlet
6 seal portion in the vicinity of the inlet seal portion.